



IN THE UNITED STATES PATENT AND PATENT
TRADEMARK OFFICE

Applicant(s): Nuttall, et al Docket No.: 46030.00030
Application No.: 10/041,906 Group Art Unit: 2161
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TITLE SYSTEM AND METHODS PROVIDING SECURE DELIVERY OF
LICENSES AND CONTENT

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, DC 20231

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In the Drawing

Please replace the drawing with the enclosed formal drawing (Figures 1-26I – 31 pages).

Prior to examination please amend the subject application as follows:

In the Claims

Please add the following claims 3-84.

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3. A method comprising:

a step for conveying data in a first protected transfer to deliver a permit; and
a step for conveying data in a second protected transfer to deliver a product.

1 4. The method of claim 3 further comprising:

2 a step for receiving at least two reports during a time period;
3 a step for grouping reports into tuples of related reports;
4 a step for determining whether a particular report remains unmatched;
5 a step for determining whether a particular tuple remains incomplete; and
6 a step for providing notice of a breach of security in accordance with at least one of
7 whether the particular report remains unmatched and whether the particular tuple remains
8 incomplete.

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- 1 5. A method for reducing the risk of unauthorized access to a data product, the method
2 comprising:
3 a step for conveying a permit from a source to a consumer subsystem without conveying
4 indicia of identification of the source, conveying being in response to a first notice that payment
5 for the permit has been assured by a first provided process, assuring being in response to
6 receiving at the first provided process a request for the permit that originated from the consumer
7 subsystem, the request for the permit being without indicia of the identification of the source;
8 and
9 a step for conveying a portion of a data product from the source to the consumer
10 subsystem without conveying indicia of identification of the source, conveying being in response
11 to a second notice that a request for the data product has been received by a second provided
12 process from the consumer subsystem.
6. The method of claim 5 wherein the source comprises a multiple subsystem facility.
7. The method of claim 6 wherein the indicia of identification of the source identifies the multiple subsystem facility.
8. The method of claim 6 wherein the multiple subsystem facility comprises:
a first subsystem for conveying the permit;
a second subsystem for conveying the portion of the data product; and
4 a private network coupling the first subsystem to the second subsystem.
- 1 9. The method of claim 8 wherein the indicia of identification of the source identifies the first
2 subsystem.

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1 10. The method of claim 8 wherein the indicia of identification of the source identifies the
2 second subsystem.

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1 11. The method of claim 5 wherein the permit comprises items in a data structure that is
2 encrypted.

1 12. The method of claim 5 wherein the second request comprises at least a portion of the permit.

1 13. The method of claim 5 wherein the second notice comprises at least a portion of the permit.

1 14. The method of claim 5 wherein the consumer subsystem comprises a consumer substation.

1 15. The method of claim 5 wherein the consumer subsystem comprises a browser that initiates
2 the request for the permit and the request for a data product.

1 16. The method of claim 5 wherein the data product comprises at least one of a digital work, a
2 file, an audio recording, a video recording, an executable program, a document, a multimedia
3 program, and content.

17. The method of claim 5 wherein the step for conveying the portion of the data product comprises a step for downloading the data product in entirety.

18. The method of claim 5 wherein the step for conveying the portion of the data product
2 comprises a step for streaming the data product.

1 19. The method of claim 5 wherein the step for conveying the permit comprises a step for
2 transferring data in a protected transfer.

1 20. The method of claim 3 wherein the protected transfer comprises an anonymous transfer.

1 21. The method of claim 5 wherein the step for conveying the portion of the data product
2 comprises a step for transferring data in a protected transfer.

1 22. The method of claim 3 wherein the protected transfer comprises an anonymous transfer.

1 23. The method of claim 5 wherein the step for conveying the permit comprises:
2 a step for detecting a prerequisite event, the event being at least one of receiving the first
3 notice and determining a network address of the consumer subsystem; and
4 a step for conveying data across an interface and from a port in accordance with a
5 protocol that denies entry into a state for transferring data of the permit unless the event is
6 detected.

1 24. The method of claim 5 wherein the step for conveying the portion of the data product
2 comprises:
3 a step for detecting a prerequisite event, the event being at least one of receiving the
4 second notice, receiving at least a portion of the permit, receiving a key for encrypting the
5 portion of the data product, and determining a network address of the consumer subsystem; and
6 a step for conveying data across an interface and from a port in accordance with a
7 protocol that denies entry into a state for transferring data of the product unless the event is
8 detected.

1 25. A system comprising:
2 means for conveying data in a first protected transfer to deliver a permit; and
3 means for conveying data in a second protected transfer to deliver a product.

1 26. The system of claim 25 further comprising:
2 means for receiving at least two reports during a time period;
3 means for grouping reports into tuples of related reports;
4 means for determining whether a particular report remains unmatched;
5 means for determining whether a particular tuple remains incomplete; and
6 means for providing notice of a breach of security in accordance with at least one of
7 whether the particular report remains unmatched and whether the particular tuple remains
8 incomplete.

1 27. A system for reducing the risk of unauthorized access to a data product, the system
2 comprising:

3 means for conveying a permit from a source to a consumer subsystem without conveying
4 indicia of identification of the source, conveying being in response to a first notice that payment
5 for the permit has been assured by a first provided process, assuring being in response to
6 receiving at the first provided process a request for the permit that originated from the consumer
7 subsystem, the request for the permit being without indicia of the identification of the source;
8 and

9 means for conveying a portion of a data product from the source to the consumer
10 subsystem without conveying indicia of identification of the source, conveying being in response
11 to a second notice that a request for the data product has been received by a second provided
12 process from the consumer subsystem.

1 28. The system of claim 27 wherein the source comprises a multiple subsystem facility.

29. The system of claim 28 wherein the indicia of identity of the source comprises indicia of
identity of the multiple subsystem facility.

30. The system of claim 28 wherein the multiple subsystem facility comprises:
a first subsystem for conveying the permit;
a second subsystem for conveying the portion of the data product; and
a private network coupling the first subsystem to the second subsystem.

1 31. The system of claim 30 wherein the indicia of identification of the source identifies the first
2 subsystem.

1 32. The system of claim 30 wherein the indicia of identification of the source identifies the
2 second subsystem.

1 33. The system of claim 27 wherein the permit comprises items in a data structure that is
2 encrypted.

1 34. The system of claim 27 wherein the second request comprises at least a portion of the permit.

- 1 35. The system of claim 27 wherein the second notice comprises at least a portion of the permit.
- 1 36. The system of claim 27 wherein the consumer subsystem comprises a consumer substation.
- 1 37. The system of claim 27 wherein the consumer subsystem comprises a browser that initiates
2 the request for the permit and the request for a data product.
- 1 38. The system of claim 27 wherein the data product comprises at least one of a digital work, a
2 file, an audio recording, a video recording, an executable program, a document, a multimedia
3 program, and content.
39. The system of claim 27 wherein the means for conveying the portion of the data product
comprises means for downloading the data product in entirety.
40. The system of claim 27 wherein the means for conveying the portion of the data product
comprises means for streaming the data product.
41. The system of claim 27 wherein the means for conveying the permit comprises means for
transferring data in a protected transfer.
- 1 42. The system of claim 41 wherein the protected transfer comprises an anonymous transfer.
- 1 43. The system of claim 27 wherein the means for conveying the portion of the data product
2 comprises means for transferring data in a protected transfer.
- 1 44. The system of claim 43 wherein the protected transfer comprises an anonymous transfer.

1 45. The system of claim 27 wherein the means for conveying the permit comprises:
2 means for detecting a prerequisite event, the event being at least one of receiving the first
3 notice and determining a network address of the consumer subsystem; and
4 means for conveying data across an interface and from a port in accordance with a
5 protocol that denies entry into a state for transferring data of the permit unless the event is
6 detected.

1 46. The system of claim 27 wherein the means for conveying the portion of the data product
2 comprises:
3 means for detecting a prerequisite event, the event being at least one of receiving the
4 second notice, receiving at least a portion of the permit, receiving a key for encrypting the
5 portion of the data product, and determining a network address of the consumer subsystem; and
6 means for conveying data across an interface and from a port in accordance with a
7 protocol that denies entry into a state for transferring data of the product unless the event is
8 detected.

1 47. A method for reducing the risk of unauthorized access to a data product, the method
2 comprising:
3 a. conveying data in a first protected transfer to deliver a permit; and
4 b. conveying data in a second protected transfer to deliver the data product in accordance
5 with the permit.
6

1 48. The method of claim 47 wherein conveying to deliver a permit comprises conveying from a
2 source to a consumer subsystem without conveying indicia of identification of the source,
3 conveying being in response to a first notice that payment for the permit has been assured by a
4 first provided process, assuring being in response to receiving at the first provided process a
5 request for the permit that originated from the consumer subsystem, the request for the permit
6 being without indicia of the identification of the source.

1 49. The method of claim 48 wherein conveying to deliver the data product comprises conveying
2 a portion of a data product from the source to the consumer subsystem without conveying indicia

3 of identification of the source, conveying being in response to a second notice that a request for
4 the data product has been received by a second provided process from the consumer subsystem.

1 50. The method of claim 49 wherein the source comprises a multiple subsystem facility.

1 51. The method of claim 50 wherein the indicia of identity of the source comprises indicia of
2 identity of the multiple subsystem facility.

1 52. The method of claim 51 wherein the multiple subsystem facility comprises:

- 2 a. a first subsystem for conveying the permit;
- 3 b. a second subsystem for conveying the portion of the data product;
- 4 c. and a private network coupling the first subsystem to the second subsystem.

53. The method of claim 52 wherein the indicia of identity of the source comprises indicia of
identity of the first subsystem.

54. The method of claim 53 wherein the indicia of identity of the source comprises indicia of
identity of the second subsystem.

55. The method of claim 54 wherein the permit comprises items in a data structure that is
encrypted.

1 56. The method of claim 55 wherein the second request comprises at least a portion of the permit.

1 57. The method of claim 56 wherein the second notice comprises at least a portion of the permit.

1 58. The method of claim 57 wherein the consumer subsystem comprises a consumer substation.

1 59. The method of claim 58 wherein the consumer subsystem comprises a browser that
2 originates the request for the permit and the request for a data product.

1 60. The method of claim 59 wherein the data product comprises at least one of a digital work, a
2 file, an audio recording, a video recording, an executable program, a document, a multimedia
3 program, and content.

1 61. The method of claim 60 wherein conveying the portion of the data product comprises
2 downloading the data product in entirety.

1 62. The method of claim 61 wherein conveying the portion of the data product comprises
2 streaming the data product.

1 63. The method of claim 62 wherein conveying the permit comprises:

2 a. detecting a prerequisite event, the event being at least one of receiving the first notice
3 and determining a network address of the consumer subsystem; and

b. conveying data across an interface and from a port in accordance with a protocol that
denies entry into a state for transferring data of the permit unless the event is detected.

1 64. The method of claim 63 wherein conveying the portion of the data product comprises:

2 a. detecting a prerequisite event, the event being at least one of receiving the second
notice, receiving at least a portion of the permit, receiving a key for encrypting the portion of the
data product, and determining a network address of the consumer subsystem; and

b. conveying data across an interface and from a port in accordance with a protocol that
denies entry into a state for transferring data of the product unless the event is detected.

1 65. The method of claim 64 further comprising:

2 a. receiving at least two reports during a time period;

3 b. grouping reports into tuples of related reports;

4 c. determining whether a particular report remains unmatched;

5 d. determining whether a particular tuple remains incomplete; and

6 e. providing notice of a breach of security in accordance with at least one of whether the
7 particular report remains unmatched and whether the particular tuple remains incomplete.

1 66. A system for communicating with a client having a client port, the system comprising:

- 2 a. a first port that conducts a first transaction with the client port to establish a request
3 for a permit and that conducts a second transaction with the client port to establish a request for a
4 data product, the request for a data product comprising at least a portion of a permit, the first port
5 comprising a first plurality of processes;
- 6 b. a second port that provides a permit to the client port in accordance with the request
7 for the permit, the second port comprising a second plurality of processes;
- 8 c. a third port that provides a data product to the client port in accordance with the
9 request for the data product, the third port comprising a third plurality of processes; wherein
- 10 d. processes of the first plurality and second plurality are coupled to convey at least a
11 portion of the request for the permit and a portion of the request for the data product to the
12 second plurality of processes; and
- 13 e. processes of the second plurality and third plurality are coupled to convey at least the
14 portion of the request for the data product to the third plurality of processes.

67. The system of claim 66 wherein the second port is associated with a first network address
and the third port is associated with a second network address.

68. The system of claim 67 wherein the first port is associated with a third network address.

69. The system of claim 68 wherein at least one of providing the permit and providing the data
product comprises a data transfer according to a protocol that provides a barrier to access.

70. The system of claim 69 wherein the barrier comprises omitting information that would
facilitate access beyond the permit and the data product.

71. The system of claim 70 wherein the omitted information includes an identifier associated
with at least one of the second port and the third port.

72. The system of claim 71 wherein the second port is enabled for providing the permit without
action by the client subsequent to receiving the request for the permit.

73. The system of claim 72 wherein the third port is enabled for providing the data product
without action by the client subsequent to receiving the request for the data product.

1 74. The system of claim 73 wherein at least one of the permit and the request for the data product
2 comprises a network address associated with the client port.

1 75. The system of claim 74 wherein at least two of the first port, the second port, and the third
2 port are hosted on one processor.

1 76. A system for permitting authorized access by a client and for cooperating with a provided
2 first interface that accesses a request for a permit, the request for a permit originating on the
3 client, and that accesses a request for a data product, the request for a data product originating on
4 the client and comprising at least a portion of a permit, the system comprising:

5 a. a second interface that provides access of the permit across the second interface to the
6 client, wherein:

7 (1) the second interface comprises a first link between the system and the client
8 for delivery of the permit; and

9 (2) the first link is enabled in accordance with at least a portion of the request for
10 the permit; and

11 b. a third interface that provides access of a data product across the third interface to the
12 client, wherein:

13 (1) the third interface comprises a second link between the system and the client
14 for delivery of the data product; and

15 (2) the second link is enabled in accordance with at least a portion of the request
16 for the data product, thereby conditionally permitting authorized access to the data product.

1 77. The system of claim 76 wherein the data product comprises at least one of a digital work, a
2 file, an audio recording, a video recording, an executable program, a document, a multimedia
3 program, and content.

1 78. The system of claim 77 wherein access of a data product comprises at least one of receiving
2 at least a portion of the data product over a network, executing at least a portion of the data
3 product, reading at least a portion of the data product, and recalling at least a portion of the data
4 product from a storage device.

- 1 79. The system of claim 78 wherein the second interface is associated with a first network
2 address and the third interface is associated with a second network address.
- 1 80. The system of claim 79 wherein the first interface is associated with a third network address.
- 1 81. The system of claim 80 wherein delivery of at least one of the permit and the data product
2 comprises data transfer according to a protocol.
- 1 82. The system of claim 81 wherein the protocol provides a barrier to access of at least one of the
2 permit and the data product.
- 1 83. The system of claim 82 wherein the barrier comprises omitting information that would
2 facilitate access beyond the permit and the data product.
- 1 84. The system of claim 83 wherein the omitted information includes at least one of an identifier
2 associated with at least one of the second interface and the third interface.

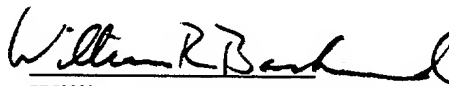
REMARKS

Prior to examination please enter the enclosed drawing (Figures 1-26I – 31 pages) and claims prepared for publication. In the substitute specification, claims 3-84 of the application are newly presented here. New claims are submitted to more particularly point out and distinctly claim the invention for which protection is sought. No new matter is submitted.

The Examiner is invited to telephone the undersigned at the telephone number listed below if it would in any way advance prosecution of this case.

Respectfully submitted,

Date: April 9, 2002


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